

데이터사이언스 부트캠프: 컴퓨팅 (박현우, 이재윤)
Data Science Bootcamp: Computing

Category	Date	Type	Content
Python Programming	2022. 1. 16 (월)	Lecture 1	Abstraction
			Hello Python!
			Memory model and reassignment
		Practice 1	Variable reassignment
		Lecture 2	Functions
			Memory models for function calls
			Function design
	2022. 1. 17 (화)	Lecture 3	Strings
		Lecture 4	Control structures
			Modules and Classes
	2022. 1. 18 (수)	Lecture 5	Lists and Loops
		Practice 2	List/Loop with matrices
		Lecture 6	Sets, Tuples, Dictionaries, and Mutability
	2022. 1. 19 (목)	Lecture 7	File IO
		Practice 3	File IO problems
	2022. 1. 20 (금)	Lecture 8	Object-oriented programming
		Practice 4	Cartesian plane OOP
Data structures and algorithms	2022. 1. 23 (월)	Lecture 9	Search
		Lecture 10	Sort
			Big O
	2022. 1. 24 (화)	Lecture 11	Recursion
		Lecture 12	Mergesort
			Algorithm design
	2022. 1. 25 (수)	Lecture 13	Testing and Debugging
		Lecture 14	Arrays
			Linked lists
	2022. 1. 26 (목)	Lecture 15	Queues and Stacks
		Practice 5	Linked list implementation
		Lecture 16	Binary search trees
	2022. 1. 27 (금)	Practice 6	Binary search tree problems
		Lecture 17	Trees and traversals
			Depth first search examples
	2022. 1. 30 (월)	Lecture 18	Graphs and traversals
		Practice 7	Graph problems
		Practice 8	Hash
			Hash problems
	2022. 2. 1 (수)	Lecture 19	Hash
		Practice 9	Hash problems
System basics	2022. 2. 2 (목)	Lecture 20	Bits, Data Types, and Operations
		Lecture 21	Semi-conductor and Logic gates
	2022. 2. 3 (금)	Lecture 22	Von Neumann model and Machine codes
		Lecture 23	Great ideas in Computer Architecture
		Lecture 24	Linux

C programming	2022. 2. 6 (월)	Lecture 25	Why high-level languages?
			Hello C!
		Lecture 26	Variables and Operators in C
			Memory in C
	2022. 2. 7 (화)	Lecture 27	Control structures in C
		Practice 10	Prime factorization
		Lecture 28	Functions in C
		Practice 11	Recursive function example
	2022. 2. 8 (수)	Lecture 29	Pointers
		Practice 12	Pointer problems
		Lecture 30	Arrays
		Practice 13	Array example
		Practice 14	Pointer and array example
	2022. 2. 9 (목)	Lecture 31	I/O in C
		Lecture 32	File I/O in C
		Practice 15	File I/O example
		Lecture 33	Structures
		Practice 16	Bounding box structures
	2022. 2. 10 (금)	Lecture 34	Dynamic memory allocation
		Lecture 35	Linked lists in C
		Practice 17	Merging linked lists
	2022. 2. 11 (토)	Exam	